

Title (en)

LATENT-HEAT STORAGE MATERIAL COMPOSITION AND LATENT-HEAT STORAGE TANK

Title (de)

LATENTWÄRMESPEICHERSTOFFZUSAMMENSETZUNG UND LATENTWÄRMESPEICHERTANK

Title (fr)

COMPOSITION DE MATÉRIAU DE STOCKAGE DE CHALEUR LATENTE ET CUVE DE STOCKAGE DE CHALEUR LATENTE

Publication

EP 3575375 B1 20220406 (EN)

Application

EP 18766954 A 20180219

Priority

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- JP 2018005692 W 20180219

Abstract (en)

[origin: EP3575375A1] The latent-heat storage material composition according to an embodiment of the present invention comprises: a latent-heat storage material which stores or releases heat by utilizing the accumulation and release of latent heat accompanied by phase changes; and additives incorporated into the latent-heat storage material, the additives being for modifying the physical properties of the latent-heat storage material. The additives include a first additive, which is a water-soluble substance belonging to polysaccharides and is gellan gum, which is a thickener for heightening the viscosity of the melt of the latent-heat storage material composition which is in a liquid phase state, on the basis of the interaction between the water contained in the latent-heat storage material composition and the cations. The content of the gellan gum is 1 wt% or less of the weight of the whole latent-heat storage material composition.

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

EP 3575375 A1 20191204; **EP 3575375 A4 20200226**; **EP 3575375 B1 20220406**; CN 110382658 A 20191025; CN 110382658 B 20220527; JP 2018150455 A 20180927; JP 6279784 B1 20180214; US 11306237 B2 20220419; US 2020239756 A1 20200730; WO 2018168340 A1 20180920

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